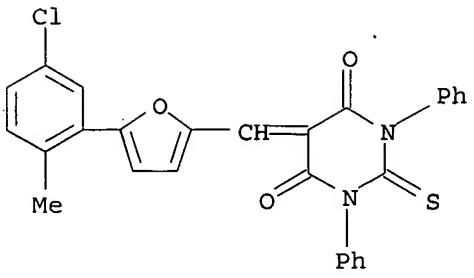
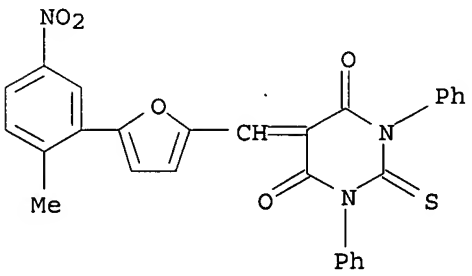


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 313238-29-8 REGISTRY
ED Entered STN: 09 Jan 2001
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-5-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN UCF 104
MF C28 H19 N3 O5 S
SR Chemical Library
Supplier: AsInEx
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

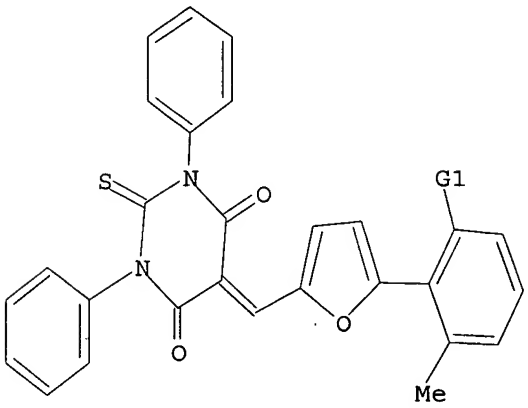
=> d hist

(FILE 'HOME' ENTERED AT 08:56:36 ON 15 MAR 2007)

FILE 'REGISTRY' ENTERED AT 09:00:41 ON 15 MAR 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 1 S L1 FULL
L4 STRUCTURE UPLOADED
L5 0 S L4
L6 1 S L5 FULL
L7 STRUCTURE UPLOADED
L8 5 S L7
L9 69 S L7 FULL

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 09:01:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 93 TO 587
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 09:01:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 300 TO ITERATE

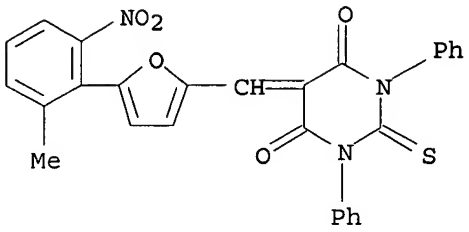
100.0% PROCESSED 300 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> d l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 752245-03-7 REGISTRY
ED Entered STN: 27 Sep 2004
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-6-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN UCF 101
MF C28 H19 N3 O5 S
SR CA

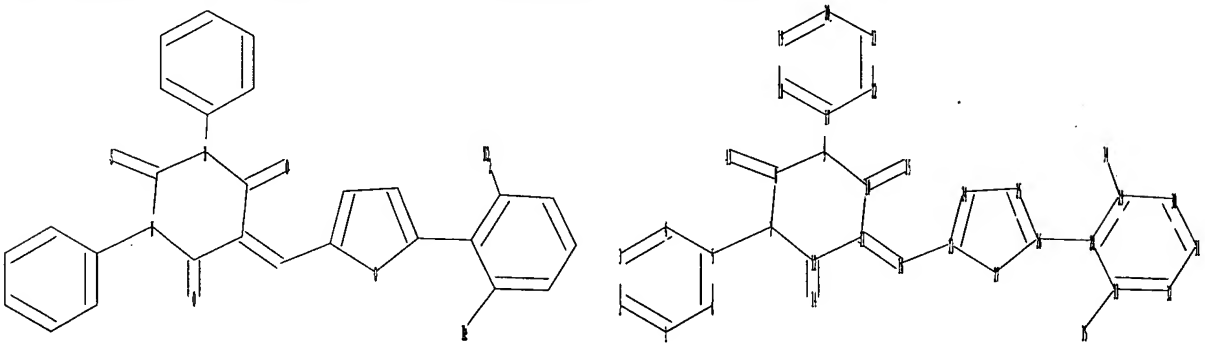
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\107280561B.str



chain nodes :
13 14 15 16 34 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 29-34 33-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33

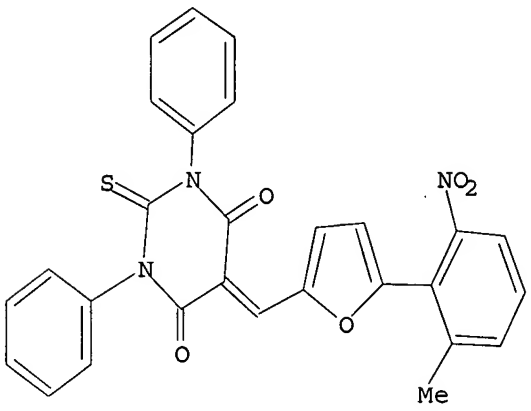
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27 24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 29-34 33-35
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33 29-30 30-31 31-32 32-33

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom

22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 34:CLASS 35:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 09:02:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s l5 full
FULL SEARCH INITIATED 09:02:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 35 TO ITERATE

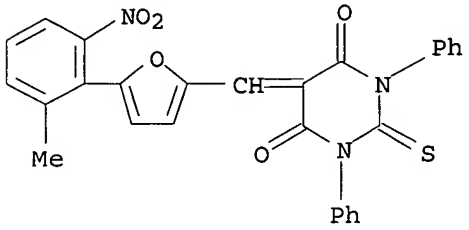
100.0% PROCESSED 35 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L6 1 SEA SSS FUL L4

=> d l6

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 752245-03-7 REGISTRY
ED Entered STN: 27 Sep 2004
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-6-nitrophenyl)-2-
    furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)

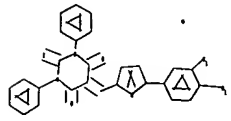
OTHER NAMES:
CN UCF 101
MF C28 H19 N3 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

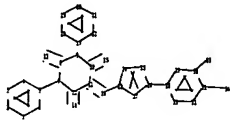


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\107280562A.str





chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 31-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33

exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27 24-25 25-26 26-27 30-35 31-36
exact bonds :
11-16 16-23 26-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33

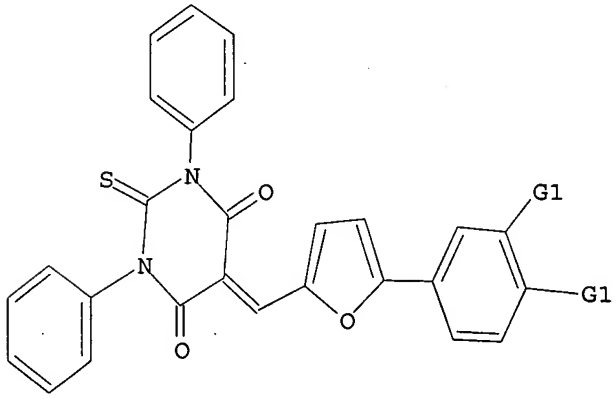
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L7 STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l7
SAMPLE SEARCH INITIATED 09:03:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 93 TO 587
PROJECTED ANSWERS: 5 TO 234

L8 5 SEA SSS SAM L7

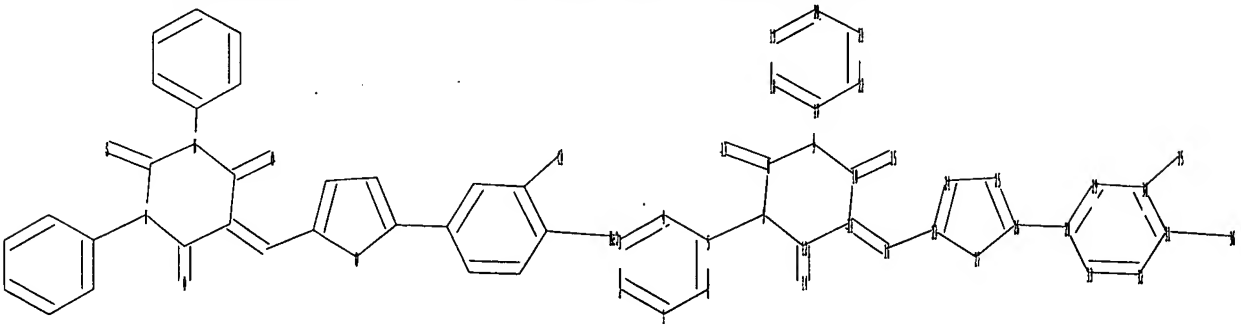
=> s l7 full
FULL SEARCH INITIATED 09:03:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 305 TO ITERATE

100.0% PROCESSED 305 ITERATIONS 69 ANSWERS

SEARCH TIME: 00.00.01

L9 69 SEA SSS FUL L7

=>
Uploading C:\Program Files\Stnexp\Queries\107280562B.str



chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 31-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

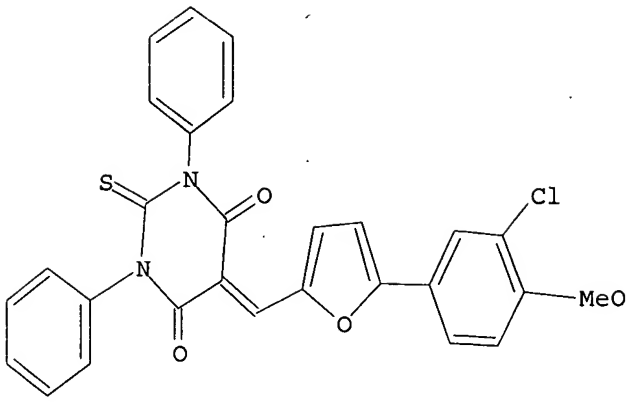
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35 31-36
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L10 STRUCTURE UPLOADED

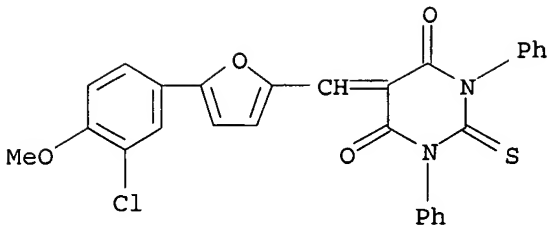
=> d l10
L10 HAS NO ANSWERS
L10 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l10
SAMPLE SEARCH INITIATED 09:04:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L11           0 SEA SSS SAM L10

=> s l10 full
FULL SEARCH INITIATED 09:04:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        9 TO ITERATE

100.0% PROCESSED         9 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L12           1 SEA SSS FUL L10

=> d l12

L12  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   313663-44-4  REGISTRY
ED   Entered STN:  12 Jan 2001
CN   4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-chloro-4-methoxyphenyl)-2-
     furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   UCF 102
MF   C28 H19 Cl N2 O4 S
SR   Chemical Library
       Supplier: ChemDiv, Inc.
LC   STN Files:   CA, CAPLUS, CHEMCATS, USPATFULL
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
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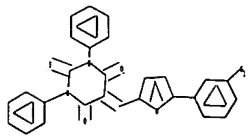
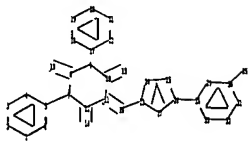




chain nodes :
13 14 15 16 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33

exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27 24-25 25-26 26-27 30-35
exact bonds :
11-16 16-23 26-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33 29-30 30-31 31-32 32-33

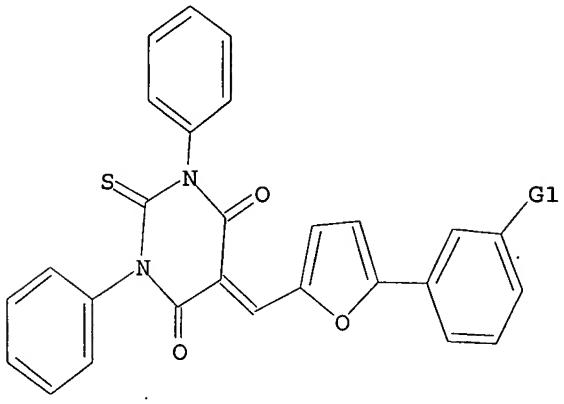
G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS

L13 STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

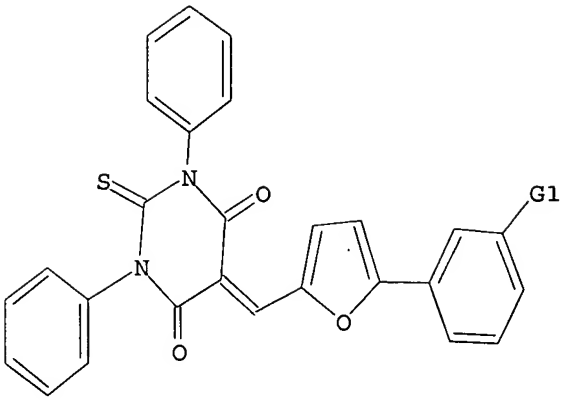
=> s l12
SAMPLE SEARCH INITIATED 09:04:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L10

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l13
SAMPLE SEARCH INITIATED 09:04:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       17 TO ITERATE

100.0% PROCESSED       17 ITERATIONS                                  6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           93 TO      587
PROJECTED ANSWERS:               6 TO      266

L15           6 SEA SSS SAM L13

=> s l13 full
FULL SEARCH INITIATED 09:05:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      305 TO ITERATE

100.0% PROCESSED      305 ITERATIONS                                137 ANSWERS
SEARCH TIME: 00.00.01

L16         137 SEA SSS FUL L13

=>
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```
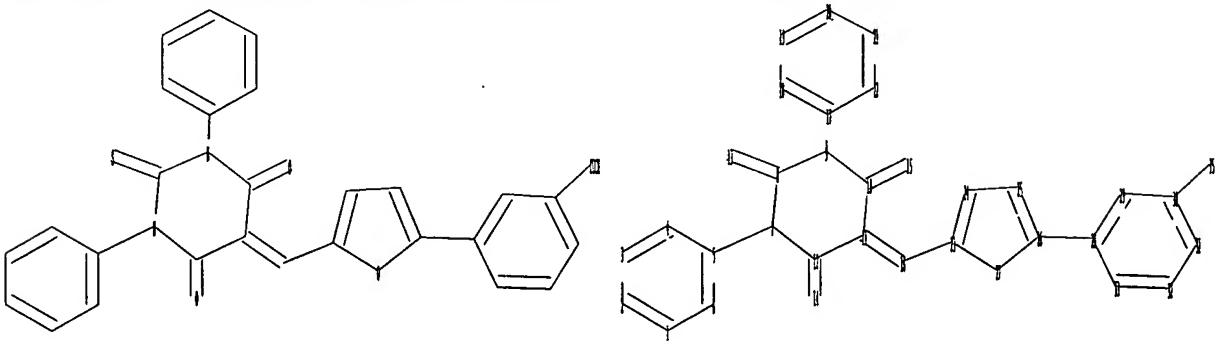



```
chain nodes :
13  14  15  16  35
```

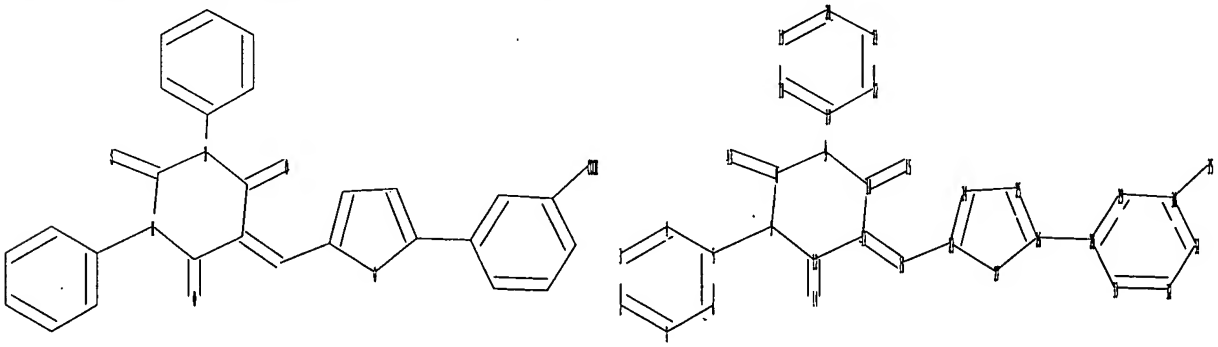
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS

=>
Uploading C:\Program Files\Stnexp\Queries\107280563B.str



chain nodes :
13 14 15 16 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

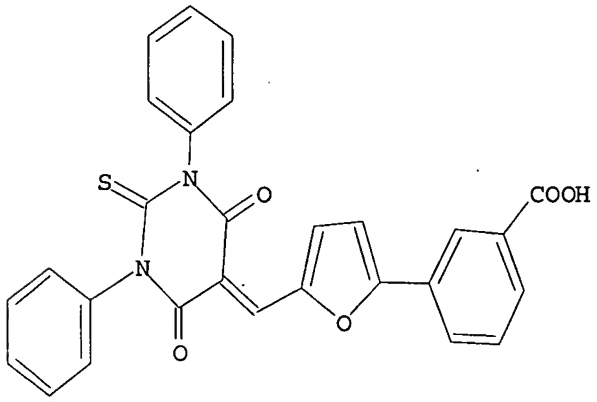
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS

L17 STRUCTURE UPLOADED

=> d l17
L17 HAS NO ANSWERS
L17 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l17
SAMPLE SEARCH INITIATED 09:06:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

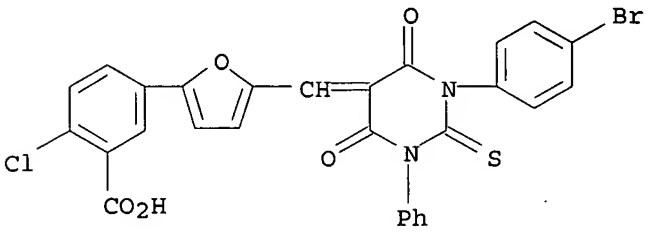
100.0% PROCESSED 1 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 1 TO 80

L18 1 SEA SSS SAM L17

=> d l18

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 885299-55-8 REGISTRY
ED Entered STN: 23 May 2006
CN Benzoic acid, 5-[5-[[1-(4-bromophenyl)tetrahydro-4,6-dioxo-3-phenyl-2-thioxo-5(2H)-pyrimidinylidene]methyl]-2-furanyl]-2-chloro- (9CI) (CA INDEX NAME)
MF C28 H16 Br Cl N2 O5 S
SR Chemical Library
Supplier: MicroChemistry Ltd.
LC STN Files: CHEMCATS



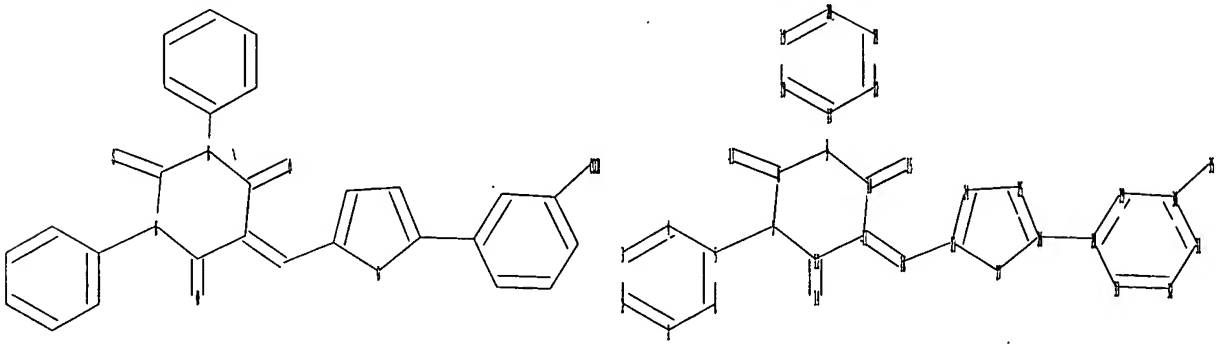
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> s l17 full
FULL SEARCH INITIATED 09:06:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 53 TO ITERATE

100.0% PROCESSED 53 ITERATIONS 24 ANSWERS
SEARCH TIME: 00.00.01

L19 24 SEA SSS FUL L17

=>
Uploading C:\Program Files\Stnexp\Queries\107280563B.str



chain nodes :
13 14 15 16 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35

ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

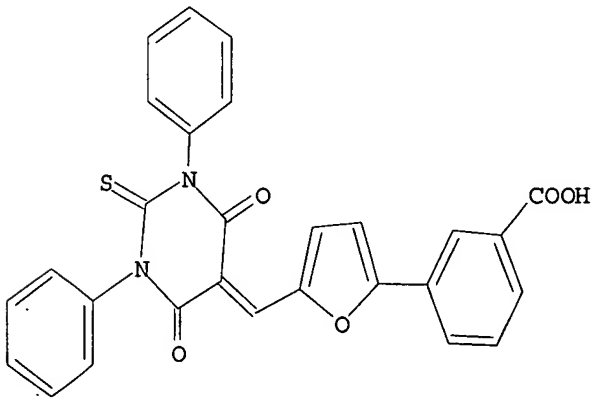
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS

L20 STRUCTURE UPLOADED

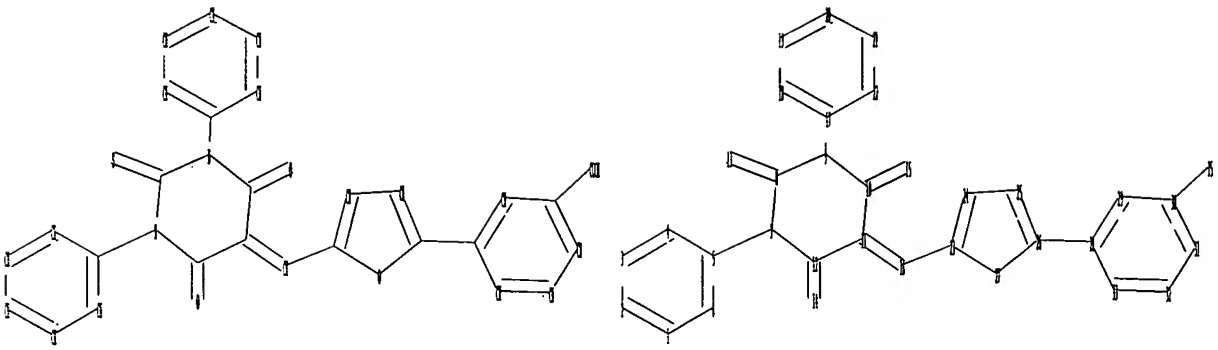
=> d l20
L20 HAS NO ANSWERS
L20 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\107280563BB.str



chain nodes :
13 14 15 16 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

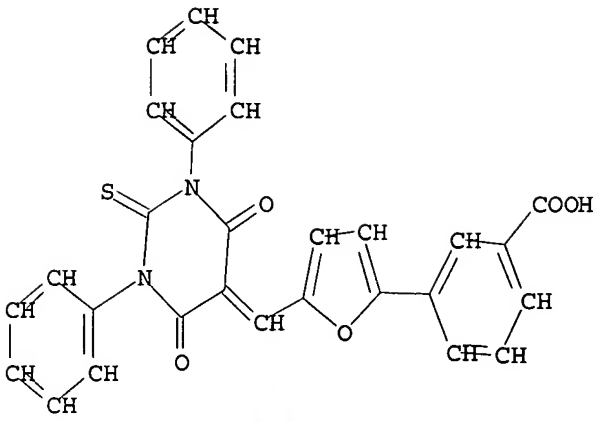
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS

L21 STRUCTURE UPLOADED

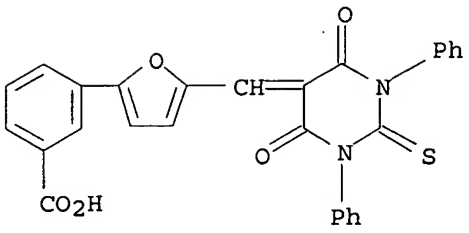
=> d l21
L21 HAS NO ANSWERS
L21 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

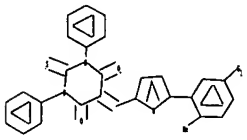
```
=> s l21
SAMPLE SEARCH INITIATED 09:11:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        1 TO ITERATE

100.0% PROCESSED         1 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             1 TO       80
PROJECTED ANSWERS:                0 TO        0

L22            0 SEA SSS SAM L21

=> s l21 full
FULL SEARCH INITIATED 09:11:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       53 TO ITERATE

100.0% PROCESSED        53 ITERATIONS                                  1 ANSWERS
SEARCH TIME: 00.00.01

L23            1 SEA SSS FUL L21

=> d l23

L23  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   312604-22-1  REGISTRY
ED   Entered STN:  03 Jan 2001
CN   Benzoic acid, 3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-
     pyrimidinylidene)methyl]-2-furanyl]- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   UCF 103
MF   C28 H18 N2 O5 S
SR   Chemical Library
       Supplier: Nanosyn Combinatorial Synthesis Inc.
LC   STN Files:   CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
```

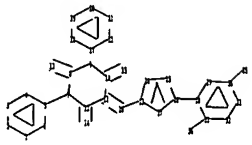


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\107280564A.str





chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 33-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22 18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33

exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27 24-25 25-26 26-27 30-35
exact bonds :
11-16 16-23 26-28 33-36
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33 29-30 30-31 31-32 32-33

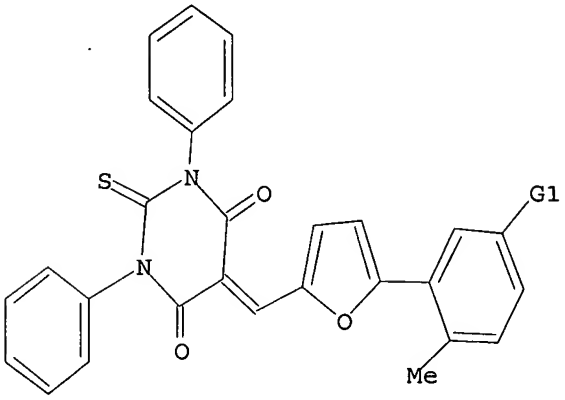
G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L24   STRUCTURE UPLOADED

=> d l24
L24 HAS NO ANSWERS
L24   STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l24
SAMPLE SEARCH INITIATED 09:12:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   17 TO ITERATE

100.0% PROCESSED   17 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 93 TO   587
PROJECTED ANSWERS: 1 TO   80

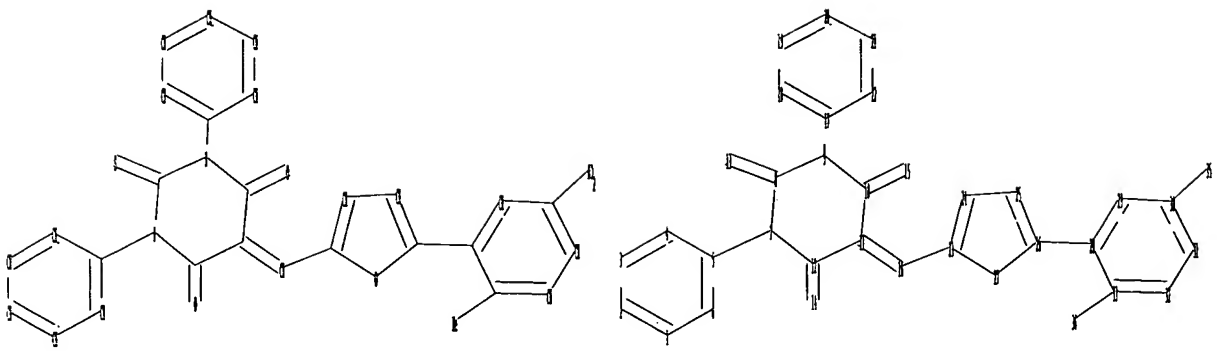
L25   1 SEA SSS SAM L24

=> s l24 full
FULL SEARCH INITIATED 09:12:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   299 TO ITERATE

100.0% PROCESSED   299 ITERATIONS   36 ANSWERS
SEARCH TIME: 00.00.01

L26   36 SEA SSS FUL L24

=>
Uploading C:\Program Files\Stnexp\Queries\107280564B.str



chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 33-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

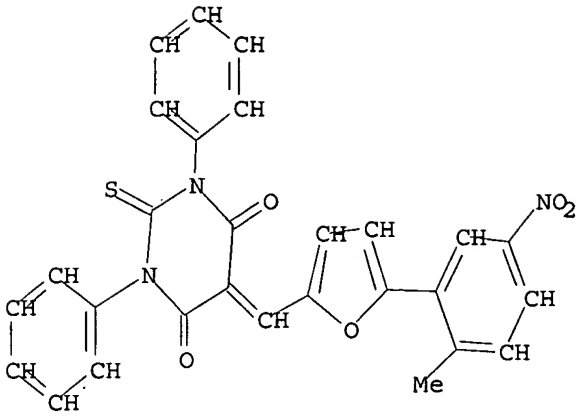
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27
exact bonds :
11-16 16-23 26-28 30-35 33-36
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L27 STRUCTURE UPLOADED

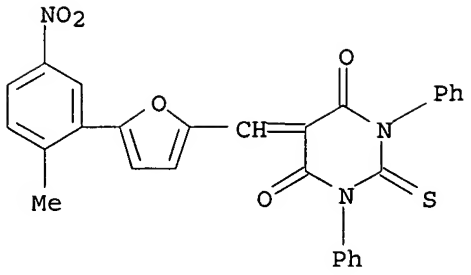
=> d l27
L27 HAS NO ANSWERS
L27 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l27
SAMPLE SEARCH INITIATED 09:13:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        2 TO ITERATE

100.0% PROCESSED         2 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            2 TO      124
PROJECTED ANSWERS:               0 TO        0

L28            0 SEA SSS SAM L27

=> s l27 full
FULL SEARCH INITIATED 09:13:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       77 TO ITERATE

100.0% PROCESSED        77 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L29            1 SEA SSS FUL L27

=> d l29

L29  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   313238-29-8  REGISTRY
ED   Entered STN:  09 Jan 2001
CN   4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-5-nitrophenyl)-2-
     furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   UCF 104
MF   C28 H19 N3 O5 S
SR   Chemical Library
       Supplier: AsInEx
LC   STN Files:   CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

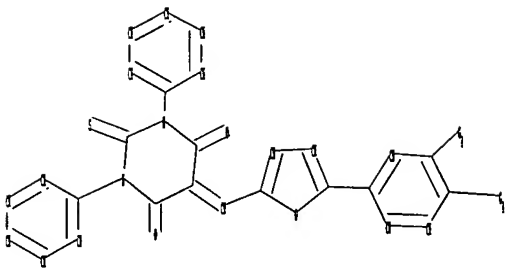
=> d hist

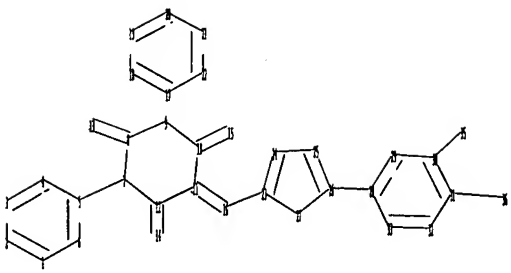
(FILE 'HOME' ENTERED AT 08:56:36 ON 15 MAR 2007)

FILE 'REGISTRY' ENTERED AT 09:00:41 ON 15 MAR 2007

L1		STRUCTURE UPLOADED
L2	0	S L1
L3	1	S L1 FULL
L4		STRUCTURE UPLOADED
L5	0	S L4
L6	1	S L5 FULL
L7		STRUCTURE UPLOADED
L8	5	S L7
L9	69	S L7 FULL
L10		STRUCTURE UPLOADED
L11	0	S L10
L12	1	S L10 FULL
L13		STRUCTURE UPLOADED
L14	0	S L12
L15	6	S L13
L16	137	S L13 FULL
L17		STRUCTURE UPLOADED
L18	1	S L17
L19	24	S L17 FULL
L20		STRUCTURE UPLOADED
L21		STRUCTURE UPLOADED
L22	0	S L21
L23	1	S L21 FULL
L24		STRUCTURE UPLOADED
L25	1	S L24
L26	36	S L24 FULL
L27		STRUCTURE UPLOADED
L28	0	S L27
L29	1	S L27 FULL

=>
Uploading C:\Program Files\Stnexp\Queries\107280562AA.str





chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 31-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

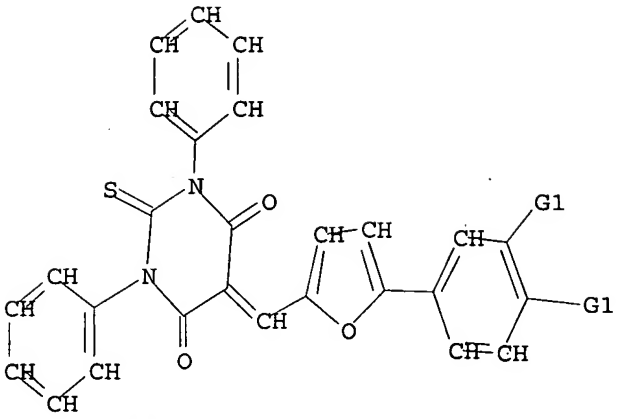
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27 30-35 31-36
exact bonds :
11-16 16-23 26-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L30 STRUCTURE UPLOADED

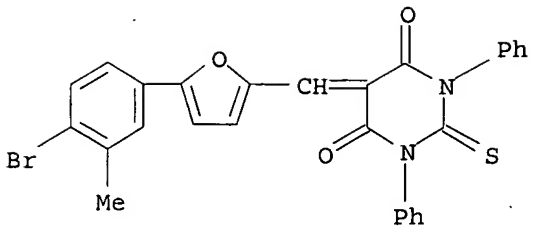
=> d l30
L30 HAS NO ANSWERS
L30 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

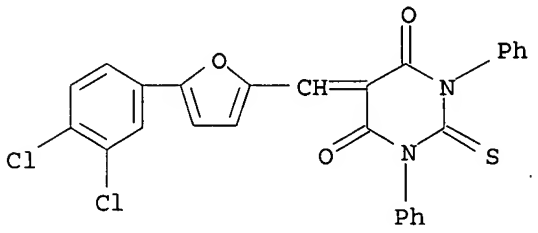
```
=> s l30
SAMPLE SEARCH INITIATED 09:23:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       17 TO ITERATE

100.0% PROCESSED       17 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           93 TO      587
PROJECTED ANSWERS:               1 TO       80

L31           1 SEA SSS SAM L30

=> s l30 full
FULL SEARCH INITIATED 09:23:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      305 TO ITERATE

100.0% PROCESSED      305 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L32           3 SEA SSS FUL L30

=> d l32

L32  ANSWER 1 OF 3  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   887074-04-6  REGISTRY
ED   Entered STN:  07 Jun 2006
CN   INDEX NAME NOT YET ASSIGNED
MF   C28 H19 Br N2 O3 S
SR   Chemical Library
       Supplier: Scientific Exchange, Inc.
LC   STN Files:   CHEMCATS
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

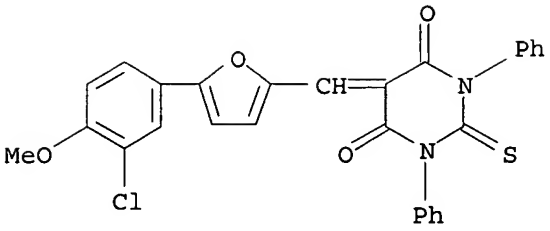
=> d l32 2-
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L32 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN
RN 331002-78-9 REGISTRY
ED Entered STN: 12 Apr 2001
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C27 H16 Cl2 N2 O3 S
SR Chemical Library
Supplier: AsInEx
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

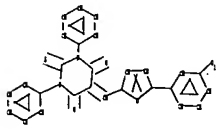
L32 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN
RN 313663-44-4 REGISTRY
ED Entered STN: 12 Jan 2001
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-chloro-4-methoxyphenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN UCF 102
MF C28 H19 Cl N2 O4 S
SR Chemical Library
Supplier: ChemDiv, Inc.
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

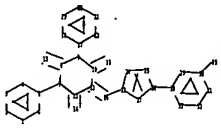


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\107280563AA.str





chain nodes :
13 14 15 16 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27 30-35
exact bonds :
11-16 16-23 26-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

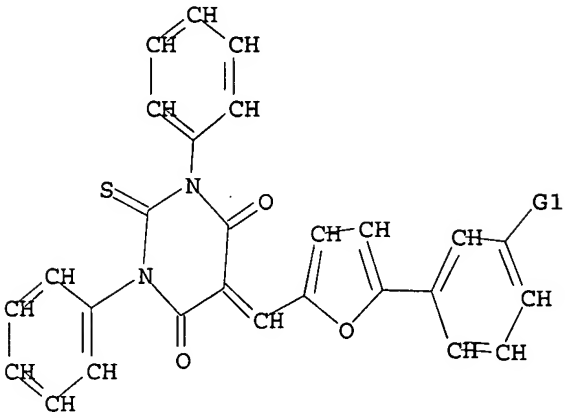
G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom

33:Atom 35:CLASS

L33   STRUCTURE UPLOADED

=> d l33
L33 HAS NO ANSWERS
L33   STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l33
SAMPLE SEARCH INITIATED 09:24:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   17 TO ITERATE

100.0% PROCESSED   17 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 93 TO   587
PROJECTED ANSWERS: 0 TO   0

L34   0 SEA SSS SAM L33

=> s l33 full
FULL SEARCH INITIATED 09:24:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   305 TO ITERATE

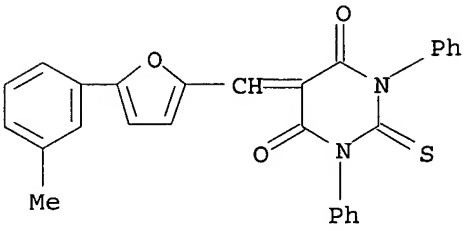
100.0% PROCESSED   305 ITERATIONS   7 ANSWERS
SEARCH TIME: 00.00.01

L35   7 SEA SSS FUL L33

=> d l35 1-
YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

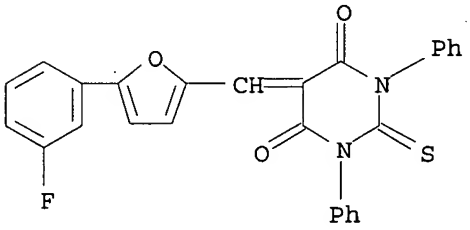
L35 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN   452366-21-1 REGISTRY
ED   Entered STN: 18 Sep 2002
CN   4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(3-methylphenyl)-2-

furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C28 H20 N2 O3 S
SR Chemical Library
Supplier: Ambinter



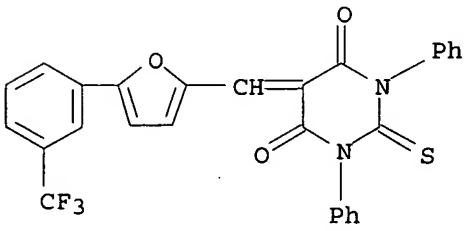
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L35 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 443732-55-6 REGISTRY
ED Entered STN: 13 Aug 2002
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-fluorophenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C27 H17 F N2 O3 S
SR Chemical Library
Supplier: Ambinter



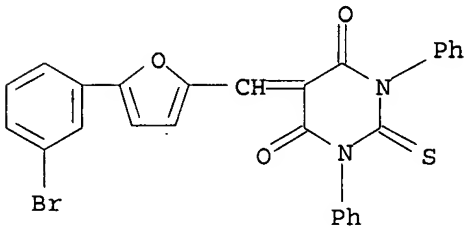
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L35 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 382172-03-4 REGISTRY
ED Entered STN: 11 Jan 2002
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-1,3-diphenyl-2-thioxo-5-[[5-[3-(trifluoromethyl)phenyl]-2-furanyl]methylene]- (9CI) (CA INDEX NAME)
MF C28 H17 F3 N2 O3 S
SR Chemical Library.
Supplier: Ambinter



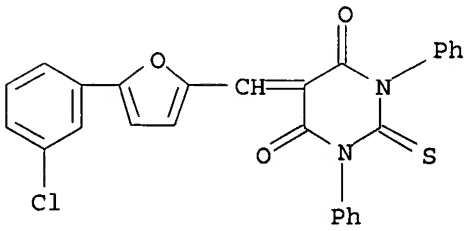
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L35 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 359646-69-8 REGISTRY
ED Entered STN: 01 Oct 2001
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-bromophenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C27 H17 Br N2 O3 S
SR Chemical Library
Supplier: Scientific Exchange, Inc.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

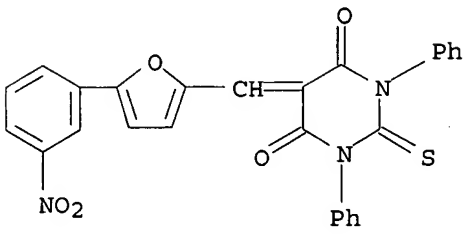
L35 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 333393-15-0 REGISTRY
ED Entered STN: 30 Apr 2001
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-chlorophenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C27 H17 Cl N2 O3 S
SR Chemical Library
Supplier: AsInEx
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

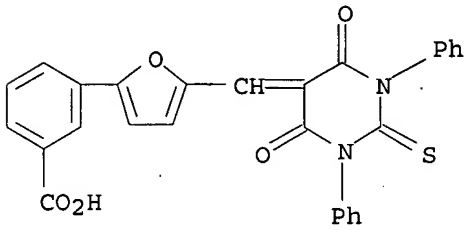
L35 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 331711-51-4 REGISTRY
ED Entered STN: 17 Apr 2001
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(3-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C27 H17 N3 O5 S
SR Chemical Library

Supplier: AsInEx
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

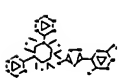
L35 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2007 ACS on STN
RN 312604-22-1 REGISTRY
ED Entered STN: 03 Jan 2001
CN Benzoic acid, 3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-pyrimidinylidene)methyl]-2-furanyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN UCF 103
MF C28 H18 N2 O5 S
SR Chemical Library
Supplier: Nanosyn Combinatorial Synthesis Inc.
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

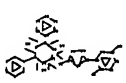


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\107280564AA.str





chain nodes :
13 14 15 16 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33
chain bonds :
5-7 8-13 9-17 10-15 11-16 12-14 16-23 26-28 30-35 33-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-22
18-19
19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-33 29-30 30-31
31-32 32-33

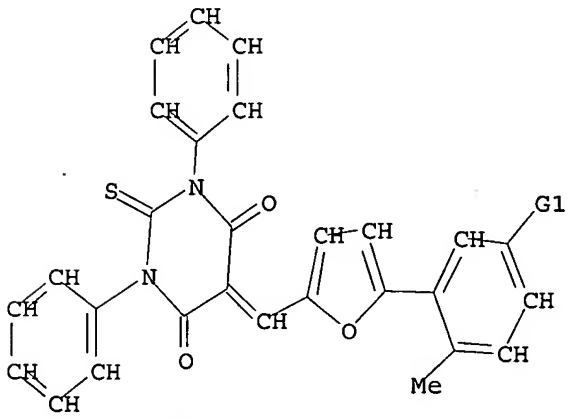
exact/norm bonds :
5-7 7-8 7-12 8-9 8-13 9-10 9-17 10-11 10-15 11-12 12-14 23-24 23-27
24-25 25-26 26-27 30-35
exact bonds :
11-16 16-23 26-28 33-36
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 28-29 28-33
29-30 30-31 31-32 32-33

G1:OH,COOH,NO2,Q,Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom
33:Atom 35:CLASS 36:CLASS

L36 STRUCTURE UPLOADED

=> d l36
L36 HAS NO ANSWERS
L36 STR



G1 OH,COOH,NO2,Q,Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l36
SAMPLE SEARCH INITIATED 09:25:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       17 TO ITERATE

100.0% PROCESSED       17 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           93 TO      587
PROJECTED ANSWERS:               0 TO        0

L37           0 SEA SSS SAM L36

=> s l36 full
FULL SEARCH INITIATED 09:25:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      299 TO ITERATE

100.0% PROCESSED      299 ITERATIONS                                  5 ANSWERS
SEARCH TIME: 00.00.01

L38           5 SEA SSS FUL L36

=> d l38 1-
YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L38  ANSWER 1 OF 5  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   885311-10-4  REGISTRY
ED   Entered STN:  23 May 2006
CN   Benzoic acid, 4-methyl-3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-
     5(2H)-pyrimidinylidene)methyl]-2-furanyl]- (9CI)  (CA INDEX NAME)
MF   C29 H20 N2 O5 S
SR   Chemical Library
       Supplier: MicroChemistry Ltd.
LC   STN Files:   CHEMCATS
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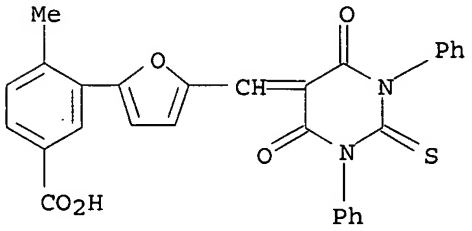


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


L38  ANSWER 2 OF 5  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   885310-99-6  REGISTRY
ED   Entered STN:  23 May 2006
CN   Benzoic acid, 4-methyl-3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-
     5(2H)-pyrimidinylidene)methyl]-2-furanyl]-, methyl ester (9CI)  (CA INDEX
     NAME)
MF   C30 H22 N2 O5 S
SR   Chemical Library
       Supplier: MicroChemistry Ltd.
LC   STN Files:   CHEMCATS
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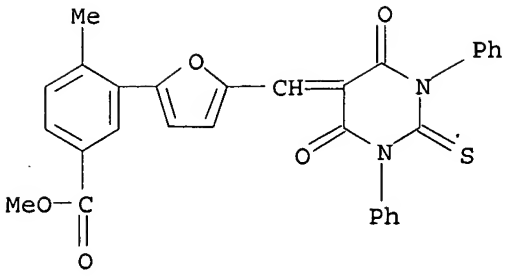
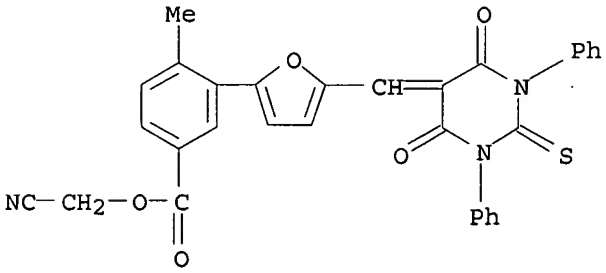


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 885310-59-8 REGISTRY
ED Entered STN: 23 May 2006
CN Benzoic acid, 4-methyl-3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-pyrimidinylidene)methyl]-2-furanyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)
MF C31 H21 N3 O5 S
SR Chemical Library
Supplier: MicroChemistry Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 330983-22-7 REGISTRY
ED Entered STN: 12 Apr 2001
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(5-chloro-2-methylphenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)
MF C28 H19 Cl N2 O3 S
SR Chemical Library
Supplier: AsInEx
LC STN Files: CHEMCATS

```
L10             STRUCTURE UPLOADED
L11           0 S L10
L12           1 S L10 FULL
L13             STRUCTURE UPLOADED
L14           0 S L12
L15           6 S L13
L16         137 S L13 FULL
L17             STRUCTURE UPLOADED
L18           1 S L17
L19          24 S L17 FULL
L20             STRUCTURE UPLOADED
L21             STRUCTURE UPLOADED
L22           0 S L21
L23           1 S L21 FULL
L24             STRUCTURE UPLOADED
L25           1 S L24
L26          36 S L24 FULL
L27             STRUCTURE UPLOADED
L28           0 S L27
L29           1 S L27 FULL
L30             STRUCTURE UPLOADED
L31           1 S L30
L32           3 S L30 FULL
L33             STRUCTURE UPLOADED
L34           0 S L33
L35           7 S L33 FULL
L36             STRUCTURE UPLOADED
L37           0 S L36
L38           5 S L36 FULL
```

```
=> file hcaplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                      2121.90    2123.37

FILE 'HCAPLUS' ENTERED AT 09:28:48 ON 15 MAR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
```



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FILE COVERS 1907 - 15 Mar 2007  VOL 146 ISS 12
FILE LAST UPDATED: 14 Mar 2007  (20070314/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l3 l6 l12 l23 l29 l32 l35 l38
MISSING OPERATOR L3 L6
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l3 and l6 and l12 and l23 and l29 and l32 and l35 and l38
             3 L3
             3 L6
             1 L12
             3 L23
             3 L29
             1 L32
             3 L35
             3 L38
L39          1 L3 AND L6 AND L12 AND L23 AND L29 AND L32 AND L35 AND L38

=> dup rem l39
PROCESSING COMPLETED FOR L39
L40           1 DUP REM L39 (0 DUPLICATES REMOVED)

=> s l3
L41           3 L3
```
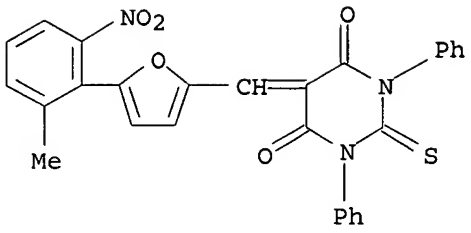

=> d ed abs ibib hitstr

L41 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 26 Aug 2005
AB Methods, compns., and kits are provided for the use of inhibitors of protease, i.e., caspase or serine protease involved in apoptosis to reduce wrinkles or other skin damage caused by exposure to UVB radiation. The protease inhibitor is administered, e.g., topically in a cosmetic or therapeutic composition Thus, UCF-101, an Omi/HtrA2 serine protease inhibitor was non-irritating to UVB-exposed skin in mice. Inhibition of Omi/HtrA2 serine protease by 1% UCF-101 in DMSO was effective at preventing and reducing UVB-induced wrinkle formation in mice. It was also effective at reducing UVB-induced dilation of blood vessels.
ACCESSION NUMBER: 2005:902724 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 143:234993
TITLE: Protease inhibitors for treatment of wrinkles
INVENTOR(S): Fujii, Seishiro; Hirakawa, Satoshi; Detmar, Michael; Zervos, Antonis S.
PATENT ASSIGNEE(S): The General Hospital Corporation, USA; Research Foundation of the University of Central Florida
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077019	A2	20050825	WO 2005-US3908	20050207
WO 2005077019	A3	20060216		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005250799	A1	20051110	US 2005-52149	20050207
EP 1715866	A2	20061102	EP 2005-722817	20050207
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				

PRIORITY APPLN. INFO.: US 2004-542187P P 20040205
WO 2005-US3908 W 20050207
OTHER SOURCE(S): MARPAT 143:234993
IT 752245-03-7, UCF 101
RL: ADV (Adverse effect, including toxicity); COS (Cosmetic use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(topical compns. containing protease inhibitors for treatment of UVB-induced skin damage and wrinkles)
RN 752245-03-7 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-6-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)



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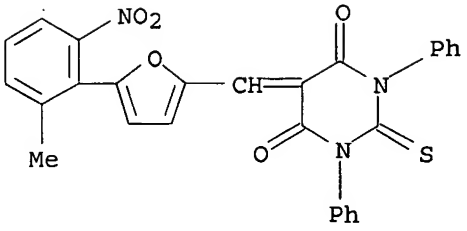
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):u
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L41 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 27 Dec 2004
AB Background: Omi/HtrA2 is a proapoptotic mitochondrial serine protease involved in caspase-dependent as well as caspase-independent cell death. However, the role of Omi/HtrA2 in the apoptotic cell death that occurs in vivo under pathol. conditions remains unknown. The present study was designed to investigate whether Omi/HtrA2 plays an important role in postischemic myocardial apoptosis. Methods and Results: Male adult mice were subjected to 30 min of myocardial ischemia followed by reperfusion and treated with vehicle or ucf-101, a novel and specific Omi/HtrA2 inhibitor, 10 min before reperfusion. Myocardial ischemia/reperfusion significantly increased cytosolic Omi/HtrA2 content and markedly increased apoptosis. Treatment with ucf-101 exerted significant cardioprotective effects, as evidenced by less terminal dUTP nick end-labeling staining, a lower incidence of DNA ladder fragmentation, and smaller infarct size. Furthermore, treatment with ucf-101 before reperfusion attenuated X-linked inhibitor of apoptosis protein degradation and inhibited caspase-9 and caspase-3 activities. Conclusion: Taken together, these results demonstrate for the first time that ischemia/reperfusion results in Omi/HtrA2 translocation from the mitochondria to the cytosol, where it promotes cardiomyocyte apoptosis via a protease activity-dependent, caspase-mediated pathway.
ACCESSION NUMBER: 2004:1131244 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 143:5275
TITLE: Role of Omi/HtrA2 in Apoptotic Cell Death After Myocardial Ischemia and Reperfusion
AUTHOR(S): Liu, Hui-Rong; Gao, Erhe; Hu, Aihua; Tao, Ling; Qu, Yan; Most, Patrick; Koch, Walter J.; Christopher, Theodore A.; Lopez, Bernard L.; Alnemri, Emad S.; Zervos, Antonis S.; Ma, Xin L.
CORPORATE SOURCE: Department of Emergency Medicine, Thomas Jefferson University, Philadelphia, PA, USA
SOURCE: Circulation (2005), 111(1), 90-96
CODEN: CIRCAZ; ISSN: 0009-7322
PUBLISHER: Lippincott Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 752245-03-7, UCF 101
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(role of Omi/HtrA2 in apoptotic cell death after myocardial ischemia and reperfusion)
RN 752245-03-7 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-6-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)

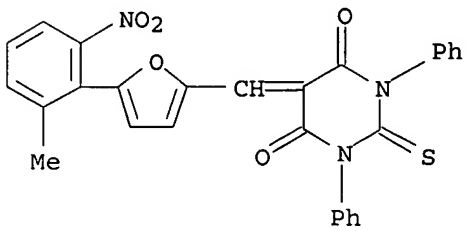


REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 03 Sep 2004
AB The invention is directed to methods and compns. for inhibiting caspase-independent apoptosis. In particular, methods and compns. for inhibiting Omi/HtrA2 activity, as well as method for identifying other inhibitors of Omi/HtrA2. Also disclosed are Omi/HtrA2 specific substrates and methods for identifying other substrates of Omi/HtrA2.
ACCESSION NUMBER: 2004:722917 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 141:236664
TITLE: Method and compounds for inhibition of cell death
INVENTOR(S): Zervos, Antonis
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 369,311.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004171629	A1	20040902	US 2003-728056		20031204
PRIORITY APPLN. INFO.:			US 2002-361902P	P	20020228
			US 2003-369311	A2	20030220

IT 752245-03-7, UCF 101
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. for inhibition of cell death)
RN 752245-03-7 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-6-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)



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L42 1 L32

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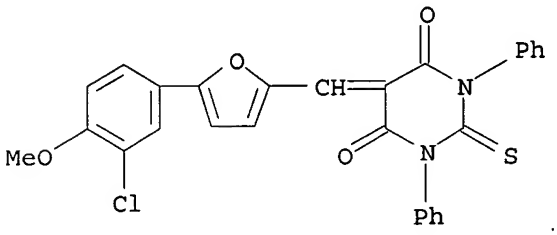
L42 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 03 Sep 2004
AB The invention is directed to methods and compns. for inhibiting caspase-independent apoptosis. In particular, methods and compns. for inhibiting Omi/HtrA2 activity, as well as method for identifying other inhibitors of Omi/HtrA2. Also disclosed are Omi/HtrA2 specific substrates and methods for identifying other substrates of Omi/HtrA2.
ACCESSION NUMBER: 2004:722917 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 141:236664
TITLE: Method and compounds for inhibition of cell death
INVENTOR(S): Zervos, Antonis
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 369,311.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004171629	A1	20040902	US 2003-728056		20031204
PRIORITY APPLN. INFO.:			US 2002-361902P	P	20020228
			US 2003-369311	A2	20030220

IT 313663-44-4, UCF 102
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. for inhibition of cell death)
RN 313663-44-4 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 5-[[5-(3-chloro-4-methoxyphenyl)-2-furanyl]methylene]dihydro-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)



=> s l35
L43 3 L35

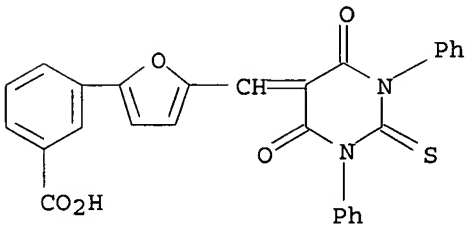
=> d ed abs ibib hitstr 1-
YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L43 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 25 Feb 2005
AB The current invention relates to methods for screening proteases participating in heparanase activation. The pharmaceutical compns. for modulating heparanase activation, i.e., inhibiting or accelerating heparanase activity and medical uses are also provided.
ACCESSION NUMBER: 2005:160626 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 142:256729
TITLE: Screening proteases participating in heparanase

activation, and pharmaceutical compns for medical uses
INVENTOR(S): Gelder, Joel M.; Miron, Daphna
PATENT ASSIGNEE(S): Insight Biopharmaceuticals Ltd., Israel
SOURCE: U.S. Pat. Appl. Publ., 102 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005042213	A1	20050224	US 2004-916598		20040812
PRIORITY APPLN. INFO.:			US 2003-494800P	P	20030814
			US 2004-535492P	P	20040112

OTHER SOURCE(S): MARPAT 142:256729
IT 312604-22-1
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(screening proteases participating in heparanase activation, and pharmaceutical compns for medical uses)
RN 312604-22-1 HCAPLUS
CN Benzoic acid, 3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-pyrimidinylidene)methyl]-2-furanyl]- (9CI) (CA INDEX NAME)



L43 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 24 Feb 2005
AB Methods of screening for proteinases capable of activating heparanase by cleavage of propeptides are described. Modulation of heparanase activation may be useful in the treatment of disease associated with abnormal levels of heparans or other glycosaminoglycans, including neoplasms. Known proteinase are identified and known inhibitors and novel classes of compds. are identified as inhibitors of these enzymes. Inhibitors include compds. blocking the binding of the enzyme to the proteinase or to heparin; compds. interacting with heparin to block binding; inhibitors of cathepsins, serine proteinases or aspartic proteinases, and compds. preventing heparanase dimerization. Screening uses fluorogenic assay substrates including peptides known to be the target of heparanase activating proteinases in vivo including the dipeptides 109-glutamic acid-110-serine or 157-glutamine-158-lysine. Several cathepsins are identified as correctly cleaving and activating proheparanase in a heparin-dependent mechanism in which heparin binding induces a conformational change that makes the protein a substrate for the proteinase.
ACCESSION NUMBER: 2005:158497 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 142:256727
TITLE: Screening for heparanase-activating proteinases for use in the therapeutic degradation of heparans
INVENTOR(S): Van-Gelder, Joel M.; Miron, Daphna
PATENT ASSIGNEE(S): Insight Biopharmaceuticals Ltd., Israel
SOURCE: PCT Int. Appl., 211 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016227	A2	20050224	WO 2004-IL744	20040812
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1654380	A2	20060510	EP 2004-745083	20040812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				

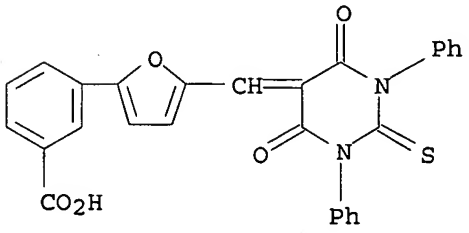
PRIORITY APPLN. INFO.:
US 2003-494800P P 20030814
US 2004-535492P P 20040112
WO 2004-IL744 W 20040812

OTHER SOURCE(S): MARPAT 142:256727

IT 312604-22-1
RL: BSU (Biological study, unclassified); BIOL (Biological study) (as inhibitor of heparanase activation; screening for heparanase-activating proteinases for use in therapeutic degradation of heparans)

RN 312604-22-1 HCAPLUS

CN Benzoic acid, 3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-pyrimidinylidene)methyl]-2-furanyl]- (9CI) (CA INDEX NAME)



L43 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 03 Sep 2004

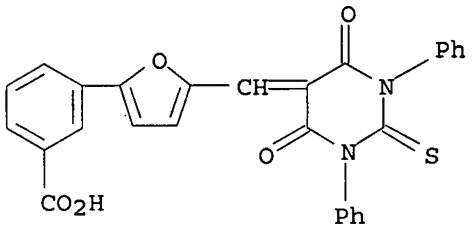
AB The invention is directed to methods and compns. for inhibiting caspase-independent apoptosis. In particular, methods and compns. for inhibiting Omi/HtrA2 activity, as well as method for identifying other inhibitors of Omi/HtrA2. Also disclosed are Omi/HtrA2 specific substrates and methods for identifying other substrates of Omi/HtrA2.

ACCESSION NUMBER: 2004:722917 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 141:236664
TITLE: Method and compounds for inhibition of cell death
INVENTOR(S): Zervos, Antonis
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 369,311.
CODEN: USXXCO
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004171629	A1	20040902	US 2003-728056		20031204
PRIORITY APPLN. INFO.:			US 2002-361902P	P	20020228
			US 2003-369311	A2	20030220

IT 312604-22-1, UCF 103
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. for inhibition of cell death)
RN 312604-22-1 HCAPLUS
CN Benzoic acid, 3-[5-[(tetrahydro-4,6-dioxo-1,3-diphenyl-2-thioxo-5(2H)-pyrimidinylidene)methyl]-2-furanyl]- (9CI) (CA INDEX NAME)



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L44 3 L38

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YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L44 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 25 Feb 2005
AB The current invention relates to methods for screening proteases participating in heparanase activation. The pharmaceutical compns. for modulating heparanase activation, i.e., inhibiting or accelerating heparanase activity and medical uses are also provided.
ACCESSION NUMBER: 2005:160626 HCAPLUS <<LOGINID::20070315>>
DOCUMENT NUMBER: 142:256729
TITLE: Screening proteases participating in heparanase activation, and pharmaceutical compns for medical uses
INVENTOR(S): Gelder, Joel M.; Miron, Daphna
PATENT ASSIGNEE(S): Insight Biopharmaceuticals Ltd., Israel
SOURCE: U.S. Pat. Appl. Publ., 102 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

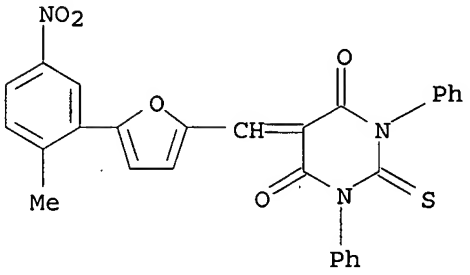
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005042213	A1	20050224	US 2004-916598		20040812
PRIORITY APPLN. INFO.:			US 2003-494800P	P	20030814
			US 2004-535492P	P	20040112

OTHER SOURCE(S): MARPAT 142:256729
IT 313238-29-8
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(screening proteases participating in heparanase activation, and pharmaceutical compns for medical uses)

RN 313238-29-8 HCAPLUS

CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-5-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)



L44 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 24 Feb 2005

AB Methods of screening for proteinases capable of activating heparanase by cleavage of propeptides are described. Modulation of heparanase activation may be useful in the treatment of disease associated with abnormal levels of heparans or other glycosaminoglycans, including neoplasms. Known proteinase are identified and known inhibitors and novel classes of compds. are identified as inhibitors of these enzymes. Inhibitors include compds. blocking the binding of the enzyme to the proteinase or to heparin; compds. interacting with heparin to block binding; inhibitors of cathepsins, serine proteinases or aspartic proteinases, and compds. preventing heparanase dimerization. Screening uses fluorogenic assay substrates including peptides known to be the target of heparanase activating proteinases in vivo including the dipeptides 109-glutamic acid-110-serine or 157-glutamine-158-lysine. Several cathepsins are identified as correctly cleaving and activating proheparanase in a heparin-dependent mechanism in which heparin binding induces a conformational change that makes the protein a substrate for the proteinase.

ACCESSION NUMBER: 2005:158497 HCAPLUS <<LOGINID::20070315>>

DOCUMENT NUMBER: 142:256727

TITLE: Screening for heparanase-activating proteinases for use in the therapeutic degradation of heparans

INVENTOR(S): Van-Gelder, Joel M.; Miron, Daphna

PATENT ASSIGNEE(S): Insight Biopharmaceuticals Ltd., Israel

SOURCE: PCT Int. Appl., 211 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016227	A2	20050224	WO 2004-IL744	20040812

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1654380 A2 20060510 EP 2004-745083 20040812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

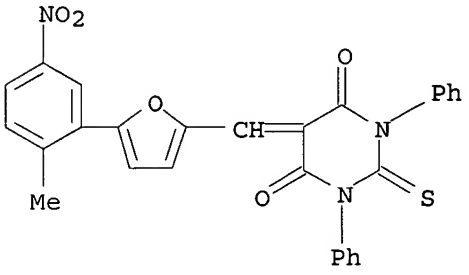
PRIORITY APPLN. INFO.: US 2003-494800P P 20030814
US 2004-535492P P 20040112
WO 2004-IL744 W 20040812

OTHER SOURCE(S): MARPAT 142:256727

IT 313238-29-8
RL: BSU (Biological study, unclassified); BIOL (Biological study) (as inhibitor of heparanase activation; screening for heparanase-activating proteinases for use in therapeutic degradation of heparans)

RN 313238-29-8 HCAPLUS

CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-5-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)



L44 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 03 Sep 2004

AB The invention is directed to methods and compns. for inhibiting caspase-independent apoptosis. In particular, methods and compns. for inhibiting Omi/HtrA2 activity, as well as method for identifying other inhibitors of Omi/HtrA2. Also disclosed are Omi/HtrA2 specific substrates and methods for identifying other substrates of Omi/HtrA2.

ACCESSION NUMBER: 2004:722917 HCAPLUS <<LOGINID::20070315>>

DOCUMENT NUMBER: 141:236664

TITLE: Method and compounds for inhibition of cell death

INVENTOR(S): Zervos, Antonis

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 369,311.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004171629	A1	20040902	US 2003-728056	20031204

PRIORITY APPLN. INFO.: US 2002-361902P P 20020228
US 2003-369311 A2 20030220

IT 313238-29-8, UCF 104
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. for inhibition of cell death)

RN 313238-29-8 HCAPLUS

CN 4,6(1H,5H)-Pyrimidinedione, dihydro-5-[[5-(2-methyl-5-nitrophenyl)-2-furanyl]methylene]-1,3-diphenyl-2-thioxo- (9CI) (CA INDEX NAME)